CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN FRANCISCO BAY REGION

SELF-MONITORING PROGRAM

FOR

TIME OIL COMPANY

RICHMOND TERMINAL

448 WRIGHT AVENUE

RICHMOND, CONTRA COSTA COUNTY

SITE CLEANUP REQUIREMENTS
ORDER NO. 92 - 056

CONSISTS OF

PART A

AND

PART B

PART A

A. General

1. Reporting responsibilities of waste dischargers are specified in Sections 13225(a), 13267(b), 13383, and 13387(b) of the California Water Code and this Regional Board's Resolution No.73-16.

2. The principal purposes of a self-monitoring program by a waste discharger are the following:

   a. To document compliance with Site Cleanup Requirements and prohibitions established by the Board;

   b. To facilitate self-policing by the waste discharger in the prevention and abatement of pollution arising from waste discharge;

   c. To develop or assist in the development of standards of performance, toxicity standards and other standards; and,

   d. To prepare water and wastewater quality inventories.

B. Sampling And Analytical Methods

1. Sample collection, storage, and analyses shall be performed according to the most recent version of Standard Methods for the Analysis of Wastewater, and Test Methods for Evaluating Solid Waste EPA Document SW-846, or other EPA approved methods and in accordance with an approved sampling and analysis plan.

2. Water and waste analysis (except total suspended solids) shall be performed by a laboratory approved for these analyses by the State Department of Health. The director of the laboratory whose name appears on the certification shall supervise all analytical work in his/her laboratory and shall sign all reports of such work submitted to the Regional Board.

3. All monitoring instruments and equipment shall be properly calibrated and maintained to ensure accuracy of measurements.

C. Definition Of Terms

1. A grab sample is a discrete sample collected at any time.

2. Duly authorized representative is a duly authorized representative may thus be either a named individual or any individual occupying a named position such as the following:

   a. Authorization is made in writing by a principal executive officer; or,

   b. Authorization specifies either an individual or a position having responsibility for the overall operation of the regulated facility or activity, such as general

partner in a partnership, sole proprietor in a sole proprietorship, the position of plant manager, operator of a well or a well field, superintendent, position of equivalent responsibility, or an individual or position having overall responsibility for environmental matters for the company.

D. Schedule Of Sampling, Analysis, And Observations

1. The Discharger is required to perform sampling, analysis, and observations according to the schedule specified in Part B and the requirements in Article 5 of Chapter 15.

2. A statistical analysis shall be performed and reported annually as described in Article 5 of Chapter 15.

E. Records To Be Maintained By The Discharger

1. Written reports shall be maintained by the Discharger for groundwater monitoring and wastewater sampling, and shall be retained for a minimum of three years. This period of retention shall be extended during the course of any unresolved litigation regarding this discharge or when requested by the Board. Such records shall show the following for each sample:

   a. Identity of sample and sample station number;
   b. Date and time of sampling;
   c. Method of composite sampling (See Section C-Definition of Terms);
   d. Date and time that analyses are started and completed, and name of the personnel performing the analyses;
   e. Complete procedure used, including method of preserving the sample, and the identity and volumes of reagents used. A reference to a specific section of a reference required in Part A Section B is satisfactory;
   f. Calculation of results;
   g. Results of analyses, and detection limits for each analyses; and,
   h. Chain of custody forms for each sample.

F. Reports To Be Filed With The Board

1. Ground water monitoring results shall be filed monthly until the schedule allows quarterly samples, then reports shall be quarterly. Written self-monitoring reports shall be filed no later than 45 calendar days following the end of the report period. In addition an annual report shall be filed as indicated. The reports shall be comprised of the following:

   a. Letter of Transmittal - A letter transmitting the essential points in each self-monitoring report should accompany each report. Such a letter shall include a discussion of any requirement violations found during the last report period, and actions taken or planned for correcting the violations, such as, operation and/or facilities modifications. If the Discharger has previously submitted a detailed time schedule for correcting requirement violations, a reference to the correspondence transmitting such schedule will be satisfactory. If no violations have occurred in the last report period this shall be stated in the letter of transmittal. Monitoring reports and the letter transmitting the monitoring reports shall be signed by a principal executive officer at the level

of vice president or his duly authorized representative, if such representative is responsible for the overall operation of the facility from which the discharge originates. The letter shall contain a statement by the official, under penalty of perjury, that to the best of the signer's knowledge the report is true, complete, and correct. The letter shall contain the following certification:

"I certify under penalty of law that this document and all attachments are prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who managed the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

b. Each monitoring report shall include a compliance evaluation summary sheet. Until the Order's amended to specify ground water protection standards, the following shall apply and the compliance sheet shall contain:

   i. The method and time of water level measurement, the type of pump used for purging, pump placement in the well, method of purging, pumping rate, equipment and methods used to monitor field pH, temperature, and conductivity during purging, calibration of the field equipment, results of the pH, temperature conductivity and turbidity testing, well recovery time, and method of disposing of the purge water; and,

   ii. Type of pump used, pump placement for sampling, a detailed description of the sampling procedure; number and description of equipment, field and travel blanks; number and description of duplicate samples; type of sample containers and preservatives used, the date and time of sampling, the name and qualifications of the person actually taking the samples, and any other observations; the chain of custody record.

c. A summary of the status of any remediation work performed during the reporting period. This shall be a brief and concise summary of the work initiated and completed as follows:

   i. As interim corrective action measures; and,

   ii. To define the extent and rate of migrations of waste constituents in the soil and ground water at the site.

d. The Discharger shall describe, in the quarterly report, the reasons for significant increases in a pollutant concentration at a well onsite. The description shall include the following:

   i. The source of the increase;

ii. How the Discharger determined or will investigate the source of the increase; and,

iii. What source removal measures have been completed or will be proposed.

e. A map or aerial photograph showing observation and monitoring station locations, and plume contours for each chemical in each aquifer shall be included as part of the quarterly Self-Monitoring Report.

f. Laboratory statements of results of analyses specified in Part B must be included in each report. The director of the laboratory whose name appears on the laboratory certification shall supervise all analytical work in his/her laboratory and shall sign all reports of such work submitted to the Board. The following information shall be provided:

i. The methods of analyses and detection limits must be appropriate for the expected concentrations. Specific methods of analyses must be identified. If methods other than EPA approved methods or Standard Methods are used, the exact methodology must be submitted for review; and,

ii. In addition to the results of the analyses, laboratory quality control/quality assurance (QA/QC) information must be included in the monitoring report. The laboratory QA/QC information should include the method, equipment and analytical detection limits; the recovery rates; an explanation for any recovery rate that is less than 80%; the results of equipment and method blanks; the results of spiked and surrogate samples; the frequency of quality control analysis; and the name and qualifications of the person(s) performing the analyses.

g. By January 31 of each year the Discharger shall submit an annual report to the Board covering the previous calendar year. This report shall contain:

i. Tabular and graphical summaries of the monitoring data obtained during the previous year;

ii. A comprehensive discussion of the compliance record, and the corrective actions taken or planned which may be needed to bring the Discharger into full compliance with the Site Cleanup Requirements; and,

iii. A written summary of the ground water analyses indicating any change in the quality of the ground water.

G. In the event the Discharger violates of threatens to violate the conditions of the Site Cleanup Requirements and prohibitions or intends to experience a plant bypass or treatment unit bypass due to:

1. Maintenance work, power failures, or breakdown of waste treatment equipment, or;
2. Accidents caused by human error or negligence, or;

3. Other causes, such as acts of nature.

The Discharger shall notify the Regional Board office by telephone as soon as he or his agents have knowledge of the incident and confirm this notification in writing within 7 working days of the telephone notification. The written report shall include time and date, duration and estimated volume of waste bypassed, method used in estimating volume and person notified of the incident. The report shall include pertinent information explaining reasons for the noncompliance and shall indicate what steps were taken to prevent the problem from recurring.

In addition, the waste Discharger shall promptly accelerate his monitoring program to analyze the discharge at least once every day. Such daily analyses shall continue until such time as the effluent limits have been attained, until bypassing stops or until such time as the Executive Officer determines to be appropriate. The results of such monitoring shall be included in the regular Self-Monitoring Report.

Part B

A. Description Of Observation Stations And Schedule Of Observations

1. The observation stations shall consist of 24 existing groundwater monitoring wells (CS-1 to CS-20, and B-2 to B-5) and any additional ground water monitoring wells added during the soil and ground water characterization, remediation or the evaluation of remediation work.

2. The schedule of well observations and grab sampling shall be conducted quarterly and within the months of January, April, July and October.

B. Observations and Test Procedures

1. The ground water well observations shall consist of the following:

   a. Water elevation reported to the nearest 0.1 inch for both depth to water from the ground surface and the elevation of the ground water level;

   b. Ground water temperature measured at the time of sampling and reported in degrees Fahrenheit;

   c. Ground water conductivity measured at the time of sampling as per Standard Methods 205 using potentiometric methodology;

   d. Ground water pH measured at the time of sampling as per Standard Methods 423 using potentiometric methodology; and,

   e. Ground water turbidity measured at the time of sampling.

   f. Free phase petroleum product thickness measured using EPA approved methods.

2. The test procedures for the groundwater samples and soil samples shall be as described herein. The following section shall not apply to groundwater samples taken from wells with more than a 0.1 inch thickness of free phase petroleum hydrocarbon:

   a. Volatile aromatic compound analysis using the EPA Method 5030/8020;

   b. Total Petroleum Hydrocarbons (TPH) and Fuel Hydrocarbons using the EPA Method 5030/8015 (Modified). Analysis shall include TPH as Total Diesel and Gasoline;

   c. Total Oil and Grease using Standard Methods 418.1, infrared analysis;

   d. Metals included in Table II of Section 66261.24 of Title 22 of California Code of Regulations using EPA method 200.7, 239.2, 245.1; and,

e. Organic substances listed in Table III of Section 66261.24 of Title 22 of California Code of Regulation using EPA method 608 or other EPA approved method.

I, Steven R. Ritchie, Executive Officer, hereby certify that the foregoing Self-Monitoring Program is as follows:

1. Developed in accordance with the procedures set forth in this Board's Resolution No. 73-16;

2. Effective on the date shown below; and,

3. May be reviewed or modified at any time subsequent to the effective date, upon written notice from the Executive Officer, or request from the Discharger.

Steven R. Ritchie for
Executive Officer

May 20, 1992
Date Ordered

QUADRANGLE LOCATION

SITE LOCATION MAP
RICHMOND TERMINAL
RICHMOND, CALIFORNIA

PREPARED FOR

TIME OIL CO.
SEATTLE, WASHINGTON

CanonieEnvironmental

No.	DATE	ISSUE / REVISION	DWN. BY	CK'D BY	AP'D BY
3	1-23-91	ISSUED FOR FINAL REPORT	KCH		
2	12-15-90	ISSUED FOR DRAFT REPORT	VZC		
1	3-20-90	ISSUED FOR REPORT	KCH		

DATE: 3-20-90
SCALE: NTS

FIGURE 1

DRAWING NUMBER 90-005-A3

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN FRANCISCO BAY REGION

ORDER No. 92 - 056

SITE CLEANUP REQUIREMENTS

TIME OIL CO.,
TIME OIL RICHMOND TERMINAL
RICHMOND, CONTRA COSTA COUNTY

The California Regional Water Quality Control Board, San Francisco Bay Region, hereinafter called the Board, finds that:

Description of Discharger

1. Time Oil Co., Richmond Terminal, (hereinafter called the Discharger) owns and operates a petroleum and chemical bulk storage facility (hereinafter called the Facility), which is presently used to store gasoline, diesel fuel, jet fuel, and have been used in the past to store asphalt, asphalt base and Navy fuel oil. In addition the facility have stored a variety of chemicals for other companies including methyl tertiary butyl ether (MTBE), ethanol, methanol and penhex.

2. The 9 acre Facility is located at 488 Wright Avenue in the City of Richmond's inner harbor. Wright Avenue is adjacent to the north, Santa Fe Channel and Lauritzen Channel adjoins the west, Harbor Channel abuts to the south and Parr-Rich Canal is directly to the east.

Lithology

3. The Discharger has investigated the lithology of facility to a maximum depth of 30 feet below ground surface. Within the 30-foot depth the discharger identified three distinct strata as follows:

   - Fill Zone - This is the uppermost soil layer of the Facility and consists of several feet of well graded material including debris, sand, silt, gravel and clay. The discharger states that much of this material may be spoils from bay dredging which is used as fill to raise ground surface for reclamation of bay lands. Fill thickness under most of the site is about 10 feet, towards the south (harbor channel) fill thickness is up to 30 feet.

   - Bay Mud - This consists of soft marine clay deposits. The Bay Mud underlies the fill zone in the northern two-third of the site. Bay Mud is absent towards the southern portion of the site. The Discharger states that the absence of Bay Mud may be due to bay dredging activity in the past.

   - Merrit Sand - A few borings reached the upper section of the merrit sand, which is believed to underlie the bay mud in the north and the fill towards the southern portion of the site. The thickness and lateral extent of this layer is not known.

Hydrology

4. The Discharger has investigated the shallow Fill Zone hydrology of the facility. Ground water has been encountered within 2.5 feet to the north and 10 feet beneath the ground surface in the south. The groundwater flow direction appears to be toward the south at a gradient range

of 0.00029 foot/foot to 0.045 foot/foot. Hydraulic conductivity in the site ranges from 5.75 x 10^{-5} cm/sec to 1.52 x 10^{-3} cm/sec. Ground water levels appear to be influenced by the water level in the adjacent Parr-Rich Canal. Also a water table depression appears to exist in the southern portion 250 feet inland from the Sante Fe Channel. The Discharger is proposing to study the influence of the channels and harbor on the site groundwater.

Groundwater Contamination

5. Five groundwater monitoring wells (B-1 through B-5) were installed in March 1986 after the occurrence of petroleum sheen on groundwater surface during the removal of the two underground tanks. Well B-1 has been destroyed. The wells are about 15 feet in depth and monitor the Fill Zone groundwater. The Discharger's March 13, 1992 "Letters and reports that document initial stages of our investigation at Time Oil Co., Richmond Terminal", summarized the depth of water table, thickness of free product discovered, and results of soil and groundwater samples analyzed for contaminants.

6. An additional twenty monitoring wells (CS-1 through CS-20) were constructed to depths ranging from 7 feet to 35 feet in September 1990. No soil samples were obtained during the construction of these wells. Ground water samples, elevation and free product thickness were obtained from the 20 new monitoring wells and 4 existing monitoring wells. The results are summarized in the Discharger's January, 1991 "Site Assessment Report".

7. Groundwater contamination has been reported from the 24 existing ground water monitoring wells (B-2 - B-5, CS-1 - CS-20). Some of the contamination parameters are as follows:

   a. Free phase liquid petroleum hydrocarbons have been detected in 8 wells in thicknesses as great as 5.5 feet in well CS-11 and as low as 0.42 feet in well CS-03. Several inches of free product were reported in Well B-1 prior to its destruction.

   b. Benzene was reported in 17 wells and in concentrations as high as 1,800 ug/L in Well CS-03 (free product present). Toluene, ethylbenzene and xylene were reported above detection levels in 11 of 24 wells. Toluene concentration range from 0.5 ug/L to 1,800 ug/L. Ethylbenzene ranged from 0.5 ug/L to 480 ug/L. Xylene ranged from 0.5 ug/L to 2,600 ug/L.

   c. Total extractible petroleum hydrocarbons as diesel (EPA 8015 modified) was reported in all 24 wells and in concentrations as high as 26,000 mg/L in well CS-20 and as low as 0.78 mg/L in well CS-18.

Soil Contamination

8. Soil samples were taken from the 4 shallow borings (B-1 - B-4), which were subsequently developed as monitoring wells. Total Volatile Organic Hydrocarbons were reported in three of the four soil samples in concentrations ranging from 9.3 ppm to 310 ppm. Method used is EPA 5020 / 8015 with reference to unleaded gasoline.

9. During the installation of two water tanks in 1991, the Discharger collected and analyzed soil samples for lead and concentration ranged from 12 ppm to 3,000 ppm. The Discharger intends to conduct further contaminant analysis on the samples. Previous work at the site has also indicated the presence of DDT in the soil. Information on soil contamination at the site is inadequate. A detailed soil investigation is needed in the site to determine the vertical and lateral extent of soil contamination. The investigation should include analysis for metals and

organics including DDT.

Investigations

10. The Discharger proposes an additional investigation to determine the vertical and horizontal extent of soil contamination. The proposal includes additional borings around the site.

11. The Discharger proposes to conduct additional investigation on the tidal influence of the channels to the site groundwater.

12. The Discharger proposes to institute a corrective action program. The two main goals of the program involves depletion of the free phase hydrocarbon thickness and prevention of offsite migration. Offsite migration is suspected to occur east of the facility. The goals will be achieved mainly by the pumping free phase product at the periphery of the site as well as pumping in areas of high free phase product thickness. Details of the program and design are included in the Discharger's report "Corrective Action Plan, February 1992". Groundwater extracted in the process will be treated and stored in two water tanks on site. Thereafter the treated water will be discharged to the City of Richmond sanitary sewer system. Although most of the wells are 2 inch in diameter and may not achieve the cone of depression required in the periphery of the site and may not generate enough flow to effectively deplete the free product phase, however the Discharger intends to test the effectiveness of the well during operation.

13. The Discharger proposes to conduct a groundwater monitoring program in accordance with the "February 1992, Monitoring Plan Report". This Order requires a more intensive groundwater monitoring program than proposed in order to establish a data base, which will be used to decide when and if the monitoring should be reduced.

Cost Recovery

14. The Executive Officer has notified the Discharger that pursuant to Sections 25270.9 and 25270.11 of Chapter 6.67, Division 20 of California's Health and Safety Code, the Discharger shall be liable to the extent of the reasonable costs actually incurred in overseeing or contracting for cleanup or abatement efforts. The Discharger has agreed to reimburse the State according to Sections 25270.9 and 25270.11.

15. Pursuant to Section 13304 of the Water Code, the Discharger is hereby notified that the Regional Board is entitled to, and may seek reimbursement (except where reimbursement is provided in the above finding) for, all reasonable costs incurred by the Regional Board to investigate unauthorized discharges of waste and oversee cleanup of such waste, abatement of the effects thereof, or remedial action, required by this Order. Upon receipt of a billing statement for such costs, the discharger shall reimburse the Regional Board.

Basin Plan

16. The Board adopted a revised Water Quality Control Plan for the San Francisco Bay Region (Basin Plan) on December 17, 1986 and amended it on August 19, 1987, July 18, 1989 and December 1991. This Order implements the water quality objectives of the Basin Plan.

Beneficial Uses

17. The existing and potential beneficial uses of the Santa Fe Channel, Lauritzen Channel, and Parr-Rich Canal are:

a. Water contact recreation;
b. Non-contact water recreation;
c. Wildlife Habitat;
d. Preservation of Rare and Endangered Species;
e. Estuarine Habitat;
f. Fish migration and spawning;
g. Industrial service supply;
h. Navigation; and,
i. Commercial and Sport Fishing.

18. The existing and potential beneficial uses of the ground water in the area are:

a. Municipal Supply;
b. Industrial Process and Service Supply; and,
c. Agricultural Supply.

California Environmental Quality Act

19. The adoption of this Order is exempt from the provisions of Chapter 3 (commencing with Section 21100) of Division 13 of the Public Resources Code (California Environmental Quality Act) due to categorical exemption entitled "Action by Regulatory Agencies to Protect the Environment", Section 15308, Title 14, California Code of Regulations.

Notice and Meeting

20. The Board has notified the Discharger and interested agencies and persons of its intent under California Water Code Section 13304 to prescribe Site Cleanup Requirements for the discharge and has provided them with an opportunity for a public hearing and an opportunity to submit their written views and recommendations.

21. The Board, in a public meeting, heard and considered all comments pertaining to the discharge.

IT IS HEREBY ORDERED, pursuant to Section 13304 of the California Water Code and Section 25270 of the California Health and Safety Code, that the Discharger shall cleanup and abate the effects described in the above findings as follows:

A. Prohibitions

1. The discharge of wastes or hazardous materials in a manner which will degrade water quality or adversely affect the beneficial uses of the waters of the State is prohibited.

2. Further significant migration of pollutants through subsurface transport to waters of the State is prohibited.

3. Activities associated with subsurface investigation and cleanup which will cause significant adverse migration of pollutants are prohibited.

4. The discharge of contaminated groundwater or recovered free phase liquid petroleum hydrocarbons onto land, into groundwaters or surface waters is prohibited.

B. Specifications

1. The storage, handling, treatment or disposal of soil or ground water containing pollutants shall not create a nuisance as defined in Section 13050(m) of the California Water Code.

2. The Discharger shall conduct free phase liquid petroleum hydrocarbons recovery activities, as needed, to remove all pools of free phase liquid petroleum hydrocarbons beneath the Facility.

3. The Discharger shall remediate soil and groundwater contamination, which actually or threatens to degrade water quality or adversely affect the beneficial uses of the waters of the State.

4. The Discharger shall conduct further investigation to determine the extent of tidal influence from the channels on the groundwater underlying the facility.

5. The Discharger shall investigate the possibility and abate any offsite migration of contaminated groundwater.

6. The Discharger shall conduct groundwater monitoring according to the Self Monitoring Program attached to this Order.

C. Provisions

The Discharger shall comply with the Prohibitions and Specifications above according to the following time schedule:

1. Submit a technical report, acceptable to the Executive Officer, related to the recovery of free phase liquid petroleum hydrocarbons, including, but not necessarily limited, to the following:

   a. The final as-built design of the free phase recovery system, horizontal and vertical extent of groundwater withdrawal, estimated volume of groundwater to be withdrawn, number and locations of recovery wells, schedule of extraction operation and maintenance, estimated volume of free product beneath the Facility and expected direction of movement of the free phase liquid petroleum hydrocarbons pool or pools beneath the Facility.

      REPORT DUE: No later than October 1, 1992;

   b. Evaluation of the free phase liquid petroleum hydrocarbon recovery system after 6 months of operation including removal efficiency of the free phase liquid petroleum hydrocarbons recovery well(s), the efficiency of the pumping system, volume of free phase petroleum and water recovered. The report shall include a time schedule for removal of all free phase liquid petroleum hydrocarbons beneath the facility.

      REPORT DUE: No later than April 1, 1993.

2. Submission of a technical report, acceptable to the Executive Officer, related to the remediation of contaminated soil and groundwater including, but not necessarily limited, to the following:

a. A plan for the investigation of horizontal and vertical extent of soil contamination. The plan shall include proposal to conduct both surface and subsurface soil investigation.

REPORT DUE: No later than October 1, 1992;

b. Remedial plan for contaminated soil and groundwater. The plan shall include remedial alternatives, time schedule for implementation and suggested remedial option. The Discharger's technical reports under this subparagraph hereof shall include a projection of the cost, effectiveness, benefits, and impact on public health, welfare, and environment of each alternative measure. The plan shall include proposal for soil and groundwater cleanup levels. The reports shall consider the guidance provided by the State Water Resources Control Board's Resolution No. 68-16, "Statement of Policy with Respect to Maintaining High Quality of Waters in California" and California Regional Water Quality Control Board, San Francisco Bay Region's Guidance Document, "Discharge of Polluted Groundwater to Surface Waters, September 1985".

REPORT DUE: No later than April 1, 1993.

3. Submission of a technical report, acceptable to the Executive Officer, relating to the tidal influence of the channels on the facility's groundwater, the extent and sources of offsite migration of contaminants. If offsite migration of contaminated groundwater exists the discharger shall include a report on methods of offsite migration control.

REPORT DUE: No later than October 1, 1992.

4. The Discharger is required to reimburse the State for all reasonable costs of the State incurred in overseeing or contracting for cleanup or abatement efforts.

5. The Discharger shall maintain a copy of this order at the project field office so as to be available at all times to project personnel.

6. Technical reports, submitted by the Discharger, in compliance with the Prohibitions, Specifications, and Provisions of this Order shall be submitted to the Board on the schedule specified herein. These reports shall consist of a letter report that includes the following:

a. A summary of work completed since submittal of the previous report and work projected to be completed by the time of the next report;

b. Identification of any obstacles which may threaten compliance with the schedule of this Order and what actions are being taken to overcome these obstacles;

c. In the event of non-compliance with any Prohibition, Specification or Provision of this Order, written notification which clarifies the reasons for non-compliance and which proposes specific measures and a schedule to achieve compliance. This written notification shall identify work not completed that was projected for completion, and shall identify the impact of non-compliance on achieving compliance with the remaining requirements of this Order; and,

d. In the first self-monitoring report, an evaluation of the current groundwater monitoring system and a proposal for modifications as appropriate.

7. All submittals of hydrogeological plans, specifications, reports, and documents (except quarterly progress and self-monitoring reports), shall be signed by and stamped with the seal of a registered geologist, registered engineering geologist, or registered professional engineer.

8. All samples shall be analyzed by State certified laboratories or laboratories accepted by the Board using approved EPA methods for the type of analysis to be performed. All laboratories shall maintain quality assurance/quality control records for Board review.

9. The Discharger shall maintain in good working order, and operate as efficiently as possible, any facility or control system installed to achieve compliance with the requirements of this Order.

10. Copies of all correspondence, reports, and documents pertaining to compliance with the Prohibitions, Specifications, and Provisions of this Order, submitted by the Discharger, shall also be provided to the following agencies:

    a. City of Richmond, Planning Department;
    b. Contra Costa County Health Department; and,
    c. California Environmental Protection Agency, Department of Toxic Control Substances.

11. The Discharger shall permit the Board or its authorized representative, in accordance with Section 13267 (c) of the California Water Code, the following:

    a. Entry upon premises in which any pollution sources exist, or may potentially exist, or in which any required records are kept, which are relevant to this Order;

    b. Access to copy all records required to be kept under the terms and conditions of this Order;

    c. Inspection of any monitoring equipment or methodology implemented in response to this Order; and,

    d. Sampling of any groundwater or soil which is accessible, or may become accessible, as part of any investigation or remedial action program undertaken by the Discharger.

12. The Discharger shall file with this Board a report of any material change or proposed change in the character, location, or quantity of this waste discharge. For the purpose of these requirements, this includes any proposed change in the boundaries, contours, or ownership of the disposal areas.

13. The Board considers the property owner and site operator to have a continuing responsibility for correcting any problems within their reasonable control which arise in the future as a result of this waste discharge or water applied to this property during subsequent use of the land for other purposes.

14. These requirements do not authorize the commission of any act causing injury to the property of another or of the public, do not convey any property rights, do not remove liability under federal, state or local laws, and do not authorize the discharge of waste without the appropriate federal, state or local permits, authorizations, or determinations.

15. If any hazardous substance, extracted groundwater or petroleum hydrocarbon is discharged in or on any waters of the state, or discharged and deposited, or probably will be discharged in or on any waters of the state, the Discharger shall

    a. Report such discharge to the following:

        (1) This Regional Board at (510) 464-1255 on weekdays during office hours from 8 a.m. to 5 p.m.; and,

        (2) The Office of Emergency Services at (800) 852-7550.

    b. A written report shall be filed with the Regional Board within five working days and shall contain information relative to the following:

        (1) The nature of waste or pollutant;
        (2) The quantity involved and the duration of incident;
        (3) The cause of spill;
        (4) The estimated size of affected area;
        (5) The corrective measures that have been taken or planned, and a schedule of these measures; and,
        (6) The persons/agencies notified.

16. The Board will review this Order periodically and may revise the requirements when necessary.

17. If the Discharger is delayed, interrupted or prevented from meeting one or more of the completion dates specified in this Order, the Discharger shall promptly notify the Executive Officer and the Board shall consider revision to this Order.

I, Steven R. Ritchie, Executive Officer, do hereby certify the foregoing is a full, true, and correct copy of an Order adopted by the California Regional Water Quality Control Board, San Francisco Bay Region on May 20, 1992.

Steven R. Ritchie
Executive Officer

Attachments:
Figure 1: Site Map
Self Monitoring Program